Ashish Tulsian

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EDUCATION	**M.Tech in Information Technology** (3.77/4.00 CGPA)	*Aug 2004 - Jun 2006*

International Institute of Information Technology, Bangalore

EXPERIENCE	**Software Engineer,** Fiberlink India Pvt. Ltd., Bangalore	*Jul 2006 - Dec 2008*

Fiberlink is a trusted mobility expert and the world's foremost provider of *Mobility as a Service* (MaaS) — on-demand services that help enterprises connect, control and secure laptops and mobile devices.

Was involved in the development of different products such as *Extend360*, *Fiberlink System Probe* and *E360 Management Agent*; also involved in the development of components of Fiberlink's *MaaS Platform*.

	Intern, Intel India Technologies Ltd., Bangalore	*Jan 2006 - Jun 2006*

Worked for the development of a simulator for next generation graphics shader model. Contributed in the design as well as the implementation of the simulator.

SKILLS	**Languages:** C, C++, Java, Lua, JavaScript

Databases: MySQL, MS SQL, Oracle, SQLite

Tools: Visual Studio, Eclipse, Toad, Subversion, Memory Validator, Decoda

Other: JSP, HTML, XML, Spring, Tomcat, ActiveX, COM

SELECTED PROJECTS	**Charlotte,** Fiberlink	*Oct 2008 - Dec 2008*
	TEAM SIZE: 4	

Charlotte is an inspection agent that is able to discover the environmental attributes of a particular endpoint and evaluate them to more quickly identify and diagnose potential issues for a variety of applications. It is the next generation of Fiberlink System Probe (FSP) and uses Extend360 Management Agent (EMA) as its core engine.

◇ Was involved in integration of FSP ActiveX with EMA core.
◇ Developed Lua scripts and wrote Lua extensions to collect customers' environment information and identify potential issues.

	Extend360 Management Agent, Fiberlink	*Jan 2008 - Sep 2008*
	TEAM SIZE: 4	

Extend360 Management Agent (EMA) is a control and visibility management agent, which is responsible for managing the mobile workers of an enterprise. It provides a management UI, which gives control to the IT admins to manage endpoints irrespective of whether a user is in the corporate network or not.

◇ Designed and implemented a cron based scheduling framework.
◇ Designed and implemented a system tray component for EMA.

The extended scope of the project involved a *platform independence* exercise.

◇ Converted string objects to platform independent variants.
◇ Created a time object and a timer class that can be used across platforms.

Fiberlink System Probe, Fiberlink   *Jan 2007 - Dec 2007*
Team Size: 2-3

Fiberlink System Probe (FSP) runs as an ActiveX control on a user's system and is designed to efficiently collect and report customer end point and environment configuration information.

⋄ Was involved from the inception of the project and was the lead developer for the product.
⋄ Performed an in depth study of the functioning of an in-house framework and built an ActiveX framework over it.
⋄ Developed DLL based agents to collect the customer's environment information.

MaaS development.

⋄ Designed and developed a MaaS component which has the ability to run an ActiveX control.
⋄ Developed a reporting framework which enables the user to view the collected information.
⋄ Added workflows to view, add, manage and delete user's machine images.
⋄ Added mappings and workflows to save the collected information using the in-house BOMS framework.

Valentina to SQLite Migration for Extend360, Fiberlink   *Aug 2006 - Dec 2006*
Team Size: 2

Extend360 is Fiberlink's flagship product. It is a security and access management software which resides on a client machine and is controlled by a platform which is a hosted service.

E360 stores information like policies, phonebook, profiles etc in a Valentina database on client machine.

⋄ Was involved in migration of the Valentina database to a SQLite database.
⋄ Was involved in changing the adhoc database access management to a more organized DAL based model.

Malmö, IIIT, Bangalore   *Aug 2005 - Dec 2005*
Team Size: 3

Malmö is an RDBMS supporting a subset of the standard SQL. The system supports indexing of records and has its own buffer management to increase the access speed.

Contributed to the design and was responsible for implementing the Database Engine and Parser.

Desktop Search Engine, IIIT, Bangalore   *Sep 2004 - Oct 2004*
Team Size: 3

The project involved building a Desktop Search Engine which can handle phrase matching and stemming. Designed and implemented the indexer.

Honours

⋄ Awarded a *scholarship* under HP Shiksha program for academic excellence at IIIT, Bangalore.

⋄ Awarded a *patent* for the game of Inverse Chess (Chess played backwards in time).

⋄ Presented poster on "Data centric ad hoc networks" at Intel India Student Research Contest 2005-06.